

REMARKS/ARGUMENTS

Claims 1-7 are rejected under 35 U.S.C. 102(e) as being unpatentable over Ginzburg et al. (US 2005/0053037) in view of Trainin (US 2004/0120292).

5 Response:

 The applicant respectfully traverses the rejections of claims 1-7, and would like to point out how independent claims 1, 4, and 7 are patentable over the cited prior art.

10 In the Office action dated 11/01/2007, the Examiner has stated that Ginzburg teaches all limitations of claim 1 except "wherein for at least one of the plurality of pieces of frame data (of an MSDU) converting begins prior to having received all of the plurality of pieces of frame data of the MSDU". The Examiner goes on to say that Trainin teaches this limitation in paragraph [0036].

15 This assessment is respectfully traversed. While it is not at all clear how paragraph [0036] of Trainin shows the above limitation, the following explanation will show that it becomes clear by properly regarding the teaching of Trainin that a person skilled in the art would not arrive at the subject matter of
20 claim 1 in an obvious manner.

 Ginzburg describes in paragraph [0021] controlling a fragmentation of frames to be transmitted, where fragmentation is described in paragraph [0011] (for example, the breaking of MSDUs into fragments such as MPDUs).

25 Contrary thereto, Trainin is concerned with a system wherein a response frame is generated and transmitted after a frame has been received, see paragraph [0030]. The response frame is a fragment if the received frame is a ACK. The response frame is a CTS if the received frame is a RTS. The response frame is a
30 data frame if the received frame is a CTS. And the response frame is a ACK if the

received frame is a PC-Poll.

5 It is already clear from this that the frame/response frame mechanism described in Trainin is different from any fragmentation, and in particular totally different from any fragmentation of MSDUs. In the frame/response frame mechanism, there is no breaking of received MSDUS into fragments such as MPDUs. However, there are new frames, i.e. response frames, generated which are totally independent (and therefore not converted) from the received frames and which may even be in a totally different class of information, for example as described above fragment and ACK frame. While Trainin therefore can not suggest that "for at least one of the plurality of pieces of frame data (of an MSDU) converting begins prior to having received all of the plurality of pieces of frame data of the MSDU" it is to be noted that the application of Trainin to the subject matter of Ginzburg even teaches away from the claimed subject matter, since 10 Trainin teaches to use a RTS/CTS mechanism for sending the data. That in fact means that if a MSDU is received by the WLAN station 200 of Trainin (for example from a backbone) for transmitting to a station of the WLAN, the WLAN station will first send a RTS to the other stations including the station the WLAN station intends to send the MSDU, the other stations will send a CTS, and then 15 according to the teaching of Trainin only after a time period has elapsed (interframe space) the processing of transmitting the data fragments will start thereby extending the processing and transmission of the data fragments at least to additional time factors defined by the sum of the CTS, RTS and interframe space. 20

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From the above it becomes clear that the claimed subject matter is non-obvious in view of Ginzburg and Trainin, and claim 1 is patentable over the cited prior art.

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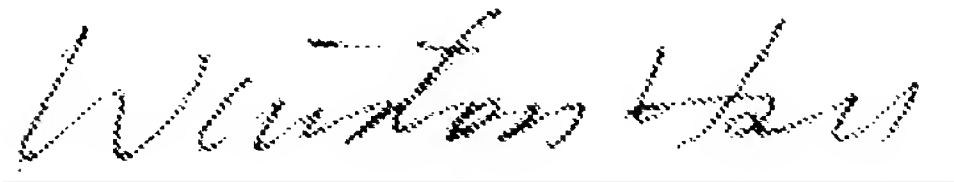
Similar to claim 1, claim 4 contains the limitation of "wherein the control

5 circuit is configured to begin converting at least one received piece of frame data into a corresponding MPDU prior to having received all of the plurality of pieces of frame data of the MSDU". Claim 7 contains the limitation of "the controller being configured to begin converting at least one received piece of data into a corresponding MPDU prior to having received all of the plurality of pieces of data of the MSDU". Thus, claims 4 and 7 are patentable over the cited prior art for the same reasons as explained above with respect to claim 1.

10 Furthermore, claims 2-3 and 5-6 are dependent on claims 1 and 4, and should be allowed if their respective base claims are allowed. Reconsideration of claims 1-7 is therefore respectfully requested.

15 Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Sincerely yours,



Date: 01/22/2008

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25 Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan.)